

DOCKET NO: 247085US0

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :  
HIROKAZU SAKAI, ET AL. : EXAMINER: VENKAT, J. A.  
SERIAL NO: 10/743,836 :  
FILED: DECEMBER 24, 2003 : GROUP ART UNIT: 1619  
FOR: HAIR CLEANSING :  
COMPOSITION

DECLARATION UNDER 37 C.F.R. §1.132

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Now comes Hiroto Tanamachi who deposes and declares that:

1. I am a graduate of Nagasaki University and received my master's degree in the year 1989.
2. I have been employed by the Kao Corporation for the past 21 years, as a researcher in the field of hair care.
3. The following experiments were conducted by me or under my direct supervision and control.

Hair cleansing compositions were prepared and evaluated according to the methods described in the examples of the above-identified application. The compositions and test results are shown below in Table 1:

Table 1

		Examples				Comparative Examples (wt.%)	
		4	5	6	7	4	5
(A)	Amphipathic amide lipid A	2	2	2	2	2	2
(B)	Sodium polyoxyethylene (2) lauryl ether sulfate	10	10	10	10	10	10
	Sodium lauryl sulfate	5	5	5	5	5	5
(C)	Lactic acid	-	-	1	1	-	-
	Sodium lactate	1	-	-	-	1	-
	Sodium malate	-	1	-	-	-	1
Others	Myristyl alcohol	1	1	1	1	1	1
	Cocoylmonoethanolamide	0.5	0.5	0.5	0.5	0.5	0.5
	Ethylene glycol distearate	1	1	1	1	1	1
	Cationized hydroxyethyl cellulose	0.3	0.3	-	0.3	0.3	0.3
	Cationized guar gum	0.5	0.5	0.5	-	0.5	0.5
	pH regulator (sodium hydroxide, citric acid)	q.s.*	q.s.*	q.s.*	q.s.*	q.s.*	q.s.*
	Purified water	Balance	Balance	Balance	Balance	Balance	Balance
pH		3.5	3.5	3.5	3.5	5.0	5.0
Evaluation	Smoothness of hair	B	B	A	A	C	C
	Moist feeling of hair	B	B	A	A	C	C
	Physical property-recovering ratio of hair	A	A	A	A	C	C

\* An amount to adjust the pH

I declare under penalty of perjury under the laws of the United States of America  
that the foregoing is believed to be true and correct.

D. Tanamachi

13th May 2010  
Date